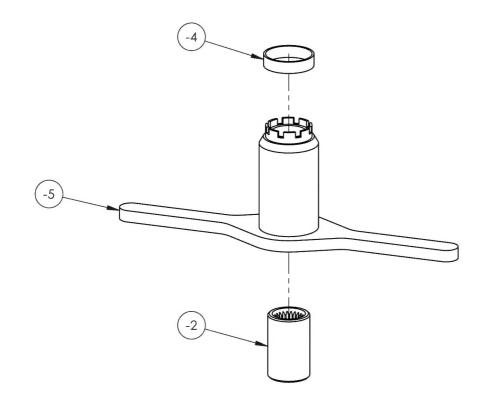
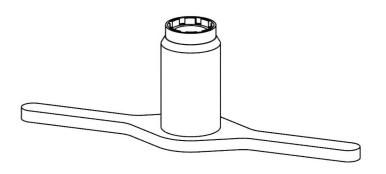
	REVISIONS REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
1		CHANGED MATERIAL FROM 4140 OR 41L40 TO 4140 Q&T, ALSO CHANGED RC FROM 30-35.	2/27/2009	WP	DW	
1A		CH'D TITLEBLOCK & REVISION BLOCK. CH'D -1 & -2 FROM 4140 TO 4140 Q&T PER DW,	12/7/2009	RJC	RW	
2		DELETED -3 Ø.250 X2 FIXTURE HOLES PER G.E.	6/12/2012	RJC	GE	
3	17-0056	UPDATED TO NEW STANDARDS. ADDED OEM REF NOTE1 CH'D MAT'L WAS 4140 Q&T IS 4140/4142. CH'D DIM WAS Ø 1.937 PF-4 IS Ø1.9344-1.9370 (P.F4). ADDED DIMS. 5.0 Ø2.427-2.447 (S.F3). ADDED NOTE RC 30-35 HEAT TREAT BEFORE MACHINING2 CH'D DIM WAS 5.20, IS 2X. 758/.753. ADDED DIMS 2X 1.005 MIN, Ø1.755/1.750 (S.F1), 90°, DELETED DIMS R1.0, Ø1.105-1.100. CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT RC 30-35 AFTER MACHINING. ADDED FINISH SPEC GMS1-6.2.2, B.O. REV D. ADDED TIMING NOTE3 CH'D MAT'L RFOM 1018 TO A36/1018/1020 HR. CH'D DIMS WAS 2X R.50 IS 2X FULL R, WAS Ø2.500 IS 2.452-2.462 (S.F1). ADDED DIM 2X 1.004 CH'D MAT'L RFOM 1018 TO 0.108/1020 CR. ADDED FINISH BLACK OXIDE GMS1-6.2.2, B.O. REV D. CH'D DIM WAS Ø1.937 P.F1 IS Ø1.9346-1.9356 (P.F1)5 ADDED FINISH SPEC GMS1-6.2.2, B.O. REV D.	6/16/2017	DPD	JAG	





NOTES:

- 1. USED TO REMOVE & REPLACE BEARING LOCK NUT #SL6IN-8F FROM ASSEMBLED TRANSMISSION FOR FIELD SERVICE OF OIL SEAL #369A55199 AND SHROUD MOUNT #369A5104.
- 2. REF. MD T/N: 369A9966.



TITLE

DWG NO.

BARREL WRENCH SET

RBA9966

3

UNIT B/O Part # Material B/O INFORMATION OR SPECIFICATIONS PG. Description HEAT -1 WRENCH, NUT 4140/4142 2 SPEC -2 WRENCH SPLINE 4140/4142 3 -3 HANDLE A36/1018/1020 HR 4 -4 1018/1020 CR 5 Χ -5 WELDMENT, BARREL WRENCH 6 ASSY -5

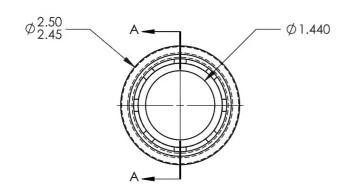
AA 06/20/2017 ASME Y14.5M-2009

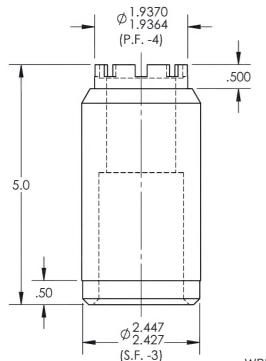
QA APPR: JL 06/28/2017 USED ON MODEL

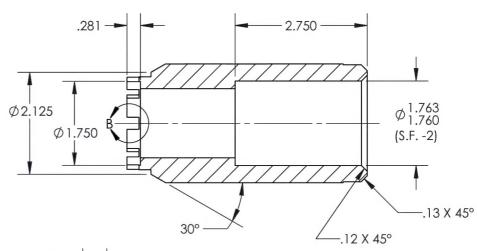
APPROVED: JAG 07/03/2017 MD

SCALE 1:4 DATE 6/13/2003 SHEET 1 OF 6

	REVISIONS								
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED				
1		CHANGED MATERIAL FROM 4140 OR 41L40 TO 4140 Q&T.	2/27/2009	WP	DW				
3	17-0056	-1 CH'D MAT'L WAS 4140 Q&T IS 4140/4142. CH'D DIM WAS Ø1.937 PF -4 IS Ø1.9364-1.9370 (P.F4). ADDED DIMS .50 Ø2.427-2.447 (S.F3). ADDED NOTE RC 30-35 HEAT TREAT BEFORE MACHINING.	6/16/2017	DPD	JAG				







SECTION A-A

DWG NO.

8X .250 -8X .250

DETAIL B SCALE 1:1

NOTE: RC 30-35 HEAT TREAT BEFORE MACHINING.



TITLE **BARREL WRENCH SET**

DWG NO.		RBA9966-1
MAT'L 4140/4	142	UNLE
HEAT SEE N	OTE	.xxx ± .0
FINISH SEE -	5	.xx ± 0
SPEC		1. BREAK
DRAWN BY:	COLE	.015 x 45 2. DIMENSI
above and above and and		Z. DIMENSI

1:2

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ± .5°
.X ± .1 SURFACES = 125/ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

REV 3

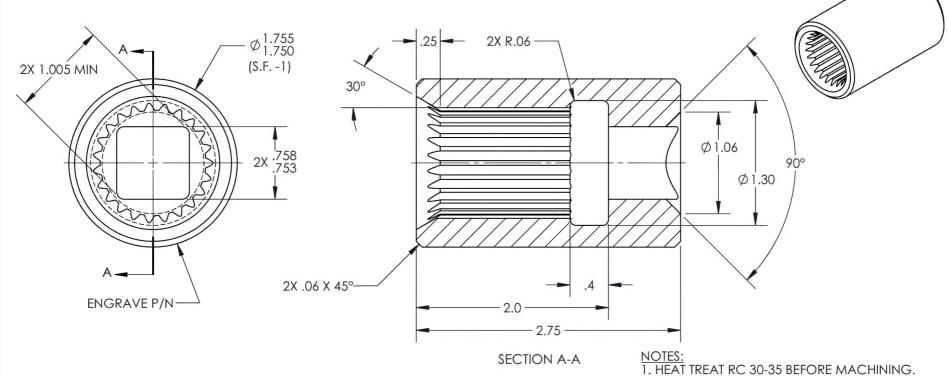
SHEET 2 OF 6

RJC 06/16/2017 OPPS APPR: AA 06/20/2017 QA APPR: USED ON MODEL JL 06/28/2017 APPROVED: JAG 07/03/2017 MD SCALE DATE

6/13/2003

WRENCH, NUT

REVISIONS REVISIONS							
REV	ECR	DATE	INITIAL	APPROVED			
1		-2 CH'D MATERAIAL FROM 4140 OR 41L40 TO 4140 Q&T.	2/27/2009	WP	DW		
3	17-0056	-2 CH'D DIM WAS .75 \$Q. IS 2X .758/.753. ADDED DIMS 2X 1.005 MIN, Ø1.755/1.750 (S.F1), 90°. DELETED DIMS R1.0, Ø1.105-1.100. CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT RC 30-35 AFTER MACHINING. ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D. ADDED TIMING NOTE.	6/15/2017	RJC	JAG		



INTERNAL SPLINE	DATA
NUMBER OF TEETH	23
DIAMETRAL PITCH	20/40
PITCH DIAMETER	1.150
PRESSURE ANGLE	30°
MINOR DIAMETER	1.100 -1.105
DIAMETER OVER Ø .0864 PINS	1.027 - 1.030

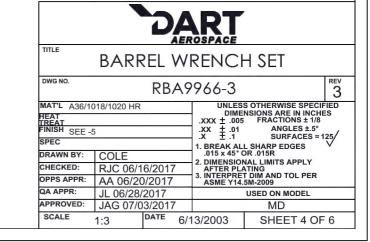
WRENCH SPLINE

1. HEAT TREAT RC 30-35 BEFORE MACHINING
2 TIMING OF FEATURES NOT CRITICAL

TITLE

IIILE	BARR	REL \	WI	RENC	H SET		
DWG NO.		RB	49	966-2		3	
MAT'L 4140/4	142				S OTHERWISE SPECIF		
HEAT SEEN	IOTE			.xxx ± .005		:5	
	< OXIDE			.XX ± .01	ANGLES ±.5° SURFACES = 1		
SPEC QMSI-	6.2.2, B.O. R	EV D			L SHARP EDGES	2 9/	
DRAWN BY:	COLE			.015 x 45° (
CHECKED:	RJC 06/1	6/2017	,	AFTER PLA			
OPPS APPR:	AA 06/20)/2017		3. INTERPRE ASME Y14.	T DIM AND TOL PER 5M-2009		
QA APPR:	JL 06/28/	2017			USED ON MODEL		
APPROVED:	JAG 07/0	3/2017	_		MD		
SCALE	1:1	DATE	6/1	3/2003	SHEET 3 OF	6	

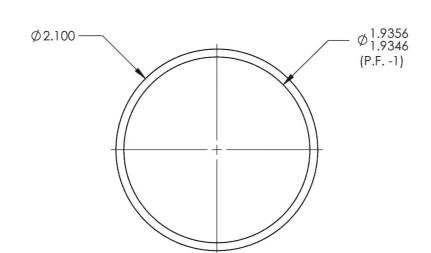
REVISIONS This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR. INITIAL APPROVED REV ECR DESCRIPTION DATE 2 DELETED -3 Ø.250 X2 FIXTURE HOLES PER G.E. 6/12/2012 RJC GE -3 CH'D MAT'L FROM 1018 TO A36/1018/1020 HR. CH'D DIMS WAS 2X R.50 IS 2X FULL R, WAS Ø2.500 IS 2.452-2.462 (S.F. -1). ADDED DIM 2X 1.00. 17-0056 DPD 3 6/16/2017 JAG $\phi_{2.452}^{2.462}$ $\emptyset 3.50$ ENGRAVE T/N, S/N,-"MADE IN USA" (S.F.-1)2X FULL R -2X -.13 X 45° 1.00 SECTION A-A 4X R1.0 4X 4.87 -- 15.0

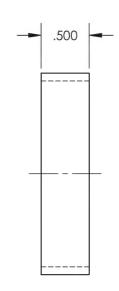




	revisions								
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED				
3	17-0056	-4 CH'D MAT'L FROM 1018 TO 1018/1020 CR. ADDED FINISH BLACK OXIDE QMSI-6.2.2, B.O. REV D. CH'D DIM WAS Ø1.937 P.F1 IS Ø1.9346-1.9356 (P.F1).	6/16/2017	DPD	JAG				







CHECKED:

QA APPR:

SCALE

OPPS APPR:

APPROVED:



DATE 6/13/2003

USED ON MODEL

MD

SHEET 5 OF 6

RJC 06/16/2017

AA 06/20/2017

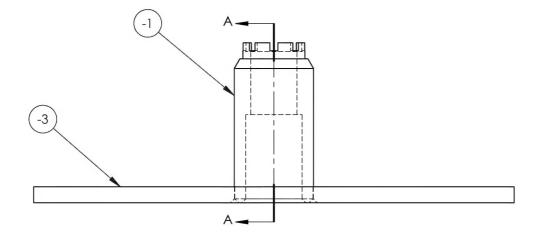
JAG 07/03/2017

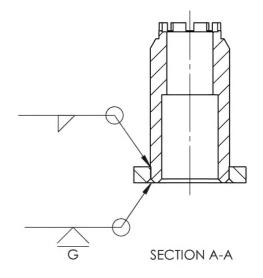
JL 06/28/2017

1:1

SLEEVE

	REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED		
3		-5 ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D.	6/16/2017	DPD	JAG		









WELDMENT, BARREL WRENCH